

IN THE SPECIFICATION

Please replace the paragraph beginning on page 9, line 13 with the following:

FIG. 2 is an exploded view of all the elements of toothbrush assembly 100. Plunger assembly 200 comprises a plunger head 203, plunger body 204, threaded nut 205 and twist knob 103. Plunger body 204 has plunger threads 252 from tail end 250 to head end 251. Nut 205 threads onto the plunger threads 252 from the tail end 250. Plunger assembly 200 is inserted into plunger end 208 of toothpaste chamber 105. O-ring 202 is coupled to a groove (not shown) on brush end 209 of toothpaste chamber 105. O-ring 202, toothpaste chamber 105 and plunger assembly 200 make up toothpaste holder section 102 of toothbrush assembly 100. Toothbrush head 101 comprises bristles 106 coupled to threaded end 206 with shaft 107. Flexible tube 104 couples to brush opening 207 and extends substantially to the top of bristles 106.

Please replace the paragraph beginning on page 9, line 22 with the following:

FIG. 3 is a section view of toothbrush assembly 100. Cap 109 with clip 108 extends over bristles 106 and shaft 107 and couples to features 302 on toothbrush head 101. Cap 109 seals against O-ring 202 to prevent leakage of any fluid left in bristles 106 after use. Opening 305 in brush end 209 accesses toothpaste chamber volume 301. Toothpaste (not shown) is disposed into toothpaste chamber volume 301. Plunger head 203 is the only moving part of toothbrush assembly 100 that comes in contact with toothpaste in toothpaste chamber volume 301. Seal features 306 extend around plunger head 203 and seal against the inside wall of toothpaste chamber 105. Plunger head 203 is coupled to an retained by features on plunger body 204. Nut 205 is threaded onto threads of plunger body 204 and is stopped by flange 307. A front surface of nut 205 also seats against an inside lip on toothpaste chamber 105. Plunger body 204 extends inside a recess of twist knob 103. Features 308 on twist knob 103 couple to mating features in plunger end 208 of toothpaste chamber 105. Twist knob 103 is free to rotate relative to

toothpaste chamber 105 while coupled to plunger end 208. When twist knob 103 is over plunger body 204 and coupled to features 308 on toothpaste chamber 105, it contacts and retains nut 205 from any lateral motion. The plunger head 203 is coupled to plunger body 204 and therefore rotates when twist knob 103 rotates plunger body 204. Plunger head 203 moves laterally between plunger end 208 and toothbrush end 209 of toothpaste chamber 105 by the action of nut 205 and threads on plunger body 204 when twist knob 103 is rotated. Features of twist knob 103 (not shown) prevent plunger body 204 from rotating with respect to twist knob 103. Channel 304 is used to transport toothpaste from chamber volume 301 to bristles 106.

Please replace the paragraph beginning on page 11, line 9 with the following:

FIGS. 8A, 8B, and 8C illustrate details of toothpaste chamber 105. Toothpaste chamber 105 has brush end ~~[[801]]~~ 209 and plunger end 208. Grooves 808 mate with corresponding features 602 on nut 205 preventing nut 205 from rotating within toothpaste chamber 105. Groove ~~[[808]]~~ 805 holds and retains O-ring 202. Feature 804 in toothpaste chamber 105 mates with features 308 on twist knob 204. Toothpaste chamber volume 301 is modified by lateral motion of plunger head 203.

Please replace the paragraph beginning on page 11, line 25 with the following:

FIGS. 11A, 11B, and 11C illustrate details of cap 109 for toothbrush assembly 100. Cap 109 has holes 1103 for receiving mating features of clip 108. Feature ~~[[1202]]~~ 1102 is a groove for coupling to feature 302 on toothbrush head 101. Opening 1201 extends over toothbrush head 101.

Please replace the paragraph beginning on page 12, line 25 with the following:

FIGS. 12A, 12B, and 12C illustrate details of flexible tube ~~[[201]]~~ 104 that fits into opening 207 in toothbrush head 101. Flange 1202 fits into a mating groove retaining

flexible tube 104 in toothbrush head 101 so that it is secure during brushing with bristles 106. Opening [[1201]] 1101 delivers toothpaste to substantially the top of bristles 106.

Please replace the paragraph beginning on page 12, line 11 with the following:

FIG. [[14B]] 14D illustrates toothpaste tube 1403 coupled to the threaded end 209 of toothpaste chamber 105 with universal adapter 1400.

Please replace the paragraph beginning on page 12, line 13 with the following:

FIGS. 15A and 15B illustrate views of another embodiment of a toothpaste holding section 1500. FIG. 15A is an exploded view of toothpaste holding section 1500. Toothpaste holding section 1500 has a cylinder 1501 that receives plunger assembly 1520 also shown in an exploded view. Plunger assembly 1520 comprises plunger head [[1505]] 1502 with threaded section 1504, plunger sleeve 1503, and plunger shaft 1506 coupled to knob 1508. Threaded shaft 1506 mates with threaded section 1504. Plunger sleeve 1503 goes inside and couples to cylinder 1501 with flange 1507. Knob [[1503]] 1508 has features that snap over flange 1507 so that knob 1508 and sleeve 1503 are attached to cylinder 1501. While knob 1508 is firmly attached to cylinder 1501 it is free to rotate. When knob 1503 is rotated, the threads on shaft 1506 laterally move plunger head 1502. Plunger head 1502 has a compliant seal 1505 that circumferentially contacts against the walls of cylinder 1501. As plunger head 1502 is moved laterally by rotating knob 1503, it operates to pull a vacuum or to pressurize cylinder 1501.

Please replace the paragraph beginning on page 12, line 9 with the following:

FIG. 14A illustrate details of a universal adapter 1400 used with embodiments of the present invention. Shown are opening 1404 for toothpaste flow and adapter threads 1401 for threading into toothpaste holder section 102.

Please add the following paragraph on page 12 after line 10:

FIG. 14C illustrate a section view of a universal adapter 1400 used with embodiments of the present invention. Shown are a side view of opening 1404 for toothpaste flow, adapter threads 1401 for threading into toothpaste holder section 102, and toothpaste tube receiving end 1402.

Please add the following paragraph on page 12 after line 10:

FIG. 14B is a side view of the universal adapter 1400 showing toothpaste tube end 1402 and adaptor threads 1401 on toothbrush end for mating with section line 1405.